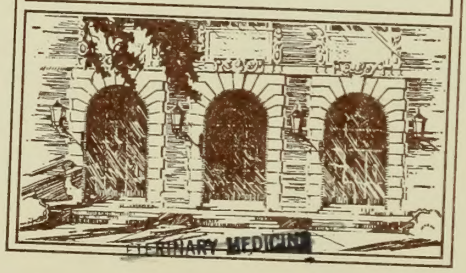
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ENDOCRINOLOGY INDEX

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EXPLANATION OF FORMAT

The period covered by this issue of the bibliography corresponds to the same months of *Index Medicus*. The journal coverage is limited to journals covered by *Index Medicus*, but the *Endocrinology Index* contains additional subject headings that are not included in *Index Medicus*. The *Endocrinology Index* is arranged in seven sections: 1) Table of Contents; 2) Subject Section; 3) Review Section; 4) Method Section; 5) Author Section; 6) Subject Index; and 7) Author Index.

Subject Section

The Subject Section is for the reader interested in recent literature related to certain broad topics and is divided into eight categories (pituitary, thyroid, etc.). The endocrine pancreas has not been included since it is the subject of another recurring bibliography, *Diabetes Literature Index*. Each category has a preconceived hierarchical organization of subject headings. A particular citation may appear more than once if it deals with multiple topics. Each citation to an article contains the full title, first author, and journal reference. If the article is written in a foreign language, the language is indicated. If the citation is to a review article, the number of references is given.

Author Section

The Author Section provides the reader with a list of keywords or index terms assigned to each citation. Each article appears only once. The citations are arranged alphabetically according to first author and are numbered consecutively. These numbers are then used in the Author and Subject Indexes to enable the reader to identify references with ease. The complete citations (including index terms) are found but only the first three authors are listed. Foreign titles appear in the original language; these titles have been translated into English in the Subject Section. Following each citation are index terms which have been assigned to describe the contents of the article. Index terms appear in capital letters; some of these are accompanied by subheadings which appear in lower case letters. Asterisks (*) identify the index terms under which articles appear in *Index Medicus*.

Subject Index

All of the index terms assigned to the citations appearing in the bibliography are listed, followed by citation numbers which correspond to the numbers in the Author Section. The Subject Index is included for the convenience of the reader who wishes to select articles falling in categories of his own conception. For example, one who is interested in protein binding of a particular hormone could quickly find whether there were any articles dealing with this subject by determining if there were any citation numbers common to the two headings "protein binding" and the name of the specific hormone.

Author Index

The names of all authors are listed, followed by citation numbers which correspond to the numbers in the Author Section.

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ENDOCRINOLOGY INDEX

National Institute of Arthritis, Metabolism, and Digestive Diseases

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PREFACE

The *Endocrinology Index* is a bimonthly publication of the National Institute of Arthritis, Metabolism, and Digestive Diseases. This selected bibliography which is produced from the National Library of Medicine's Medical Literature Analysis and Retrieval System (MEDLARS), has been initiated to supply those scientists working in the field of endocrinology with a much needed current awareness tool and is intended to help facilitate greater integration of research and clinical efforts in this field.

Endocrinology Index was developed with the support of contract PH43-66-480 in 1966-70 to Vanderbilt University under the direction of Grant W. Liddle. The National Institute of Arthritis, Metabolism, and Digestive Diseases is most appreciative of the fine work in originally developing and editing the *Index* provided by Grant W. Liddle and Victoria Ragin Liddle and for their continuing editorial advice in making the *Endocrinology Index* a most important and necessary component of endocrinology literature within the biomedical research community.

The Secretary of the Department of Health, Education, and Welfare has determined that the publication of this periodical is necessary in the transaction of the public business required by law of this Department. Use of funds for printing this periodical has been approved by the Director of the Office of Management and Budget through April 30, 1975.

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III. *Thyroid Hormones, Precursors, Metabolites and Synthetic Analogs*

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V. Related Topics

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LH, FSH and testosterone in plasma following LH-RH infusion: a combined test for pituitary and Leydig cell function. Kley HK, et al.
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Chromosome errors and antisocial behavior. Baker D.
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[Clinical and therapeutical aspects of Leydig-cell tumors] Ribbat O, et al. **Z Urol Nephrol 66:593-601, Aug 73 (Ger)**

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Hemolytic anemia related to ovarian tumor. Bernstein D, et al. **Obstet Gynecol 43:276-80, Feb 74**

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III. Neuroendocrine System Hormones, Precursors, Metabolites and Synthetic Analogs

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Thyroid activation in rats after intrapituitary administration of synthetic thyrotrophin-releasing factor (TRF). Averill RL.
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[Diagnosis and treatment of osteoporosis (author's transl)] Burkhardt R.
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OVARIAN NEOPLASMS

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Ultrasonic diagnostic procedures in obstetrics and gynecology. Thompson HE.
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[Possibilities of further improvement of late results in the treatment of malignant ovarian neoplasms] Nechaeva ID, et al.
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OVARY

DRUG EFFECTS

Endocrinological effects of oral contraceptives. Klopper A.
Clin Endocrinol Metabol 2:489-502, Nov 73 (30 ref.)

PHYSIOLOGY

[Hypothalamic regulation of the genital function (review of the literature)] Aleshin BV.
Akush Ginekol (Mosk) 49:3-8, Oct 73 (40 ref.) (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

Disorders of the hypothalamic-pituitary-ovarian axis. Baird DT, et al.
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OVULATION

DRUG EFFECTS

Induction of ovulation with gonadotropins. Taymor ML.
Clin Obstet Gynecol 16:201-20, Sep 73 (20 ref.)

OXYTOCIN

ANALYSIS

[Vasopressin and oxytocin] Yoshida H.
Clin Endocrinol (Tokyo) 21:1113-6, Nov 73 (4 ref.) (Jap)

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Radioimmunoassay of posterior pituitary peptides: a review. Robinson AG, et al.
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PARATHYROID HORMONE

[Parathyroid hormone and calcitonin] Fujita T.
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Pheochromocytoma: advances in diagnosis and treatment. Pertsemlidis D, et al.
Surg Annu 4:345-57, 1972 (41 ref.)

PINEAL BODY

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[The pineal body] Moller M.
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PITUITARY GLAND

DRUG EFFECTS

Endocrinological effects of oral contraceptives. Klopper A.
Clin Endocrinol Metabol 2:489-502, Nov 73 (30 ref.)

PLACENTA

ANATOMY & HISTOLOGY

Placental transfer mechanisms--an overview. Longo LD. Obstet Gynecol Annu 1:103-38, 1972 (138 ref.)

PLACENTAL LACTOGEN

BIOSYNTHESIS

Human chorionic somatomammotropin. Tyson JE. Obstet Gynecol Annu 1:421-52, 1972 (176 ref.)

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Placental protein hormones in pregnancy. Josimovich JB. Clin Obstet Gynecol 16:46-65, Sep 73 (114 ref.)

PREDNISONE

THERAPEUTIC USE

Combination chemotherapy of advanced Hodgkin's disease. A review. Goldsmith MA, et al.
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Klin Med (Mosk) 51:5-9, Dec 73 (22 ref.) (Rus)

PROGESTATIONAL HORMONES

Physiologic, pathologic and therapeutic roles of progestins in domestic animals. Stabenfeldt GH.
J Am Vet Med Assoc 164:311-7, 1 Feb 74 (40 ref.)

PROGESTERONE

METABOLISM

Female steroid hormones and target cell nuclei. O'Malley BW, et al.
Science 183:610-20, 15 Feb 74 (104 ref.)

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Estrogen regulation of ovalbumin mRNA content and utilization. Schimke RT, et al.
Symp Soc Dev Biol 31:325-49, 1973 (28 ref.)

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[Growth hormone and prolactin] Kikuya M.
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The present status of prolactin assays in clinical practice. L'Hermite M.
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Pituitary prolactin in pregnancy and normal and abnormal lactation. Friesen HG, et al.
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RENIN

BLOOD

[Primary hypertension with low plasma renin level] Klaus D, et al.
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[Renin-angiotensin-(aldosterone)-system-clinical aspects] Börner H.
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ISOLATION & PURIFICATION

[Purification of renin and its chemical characteristics: recent progress] Kokubu T, et al.
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Perspectives on the renin-angiotensin-aldosterone system in hypertension. Vagnucci AH, et al.
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[Renin-angiotensin-aldosterone system in essential hypertension] Kono T, et al.
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[Sensitizing factor and natriuretic hormones as hypertension-inducing factors] Mizukoshi H, et al.
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Chromosome errors and antisocial behavior. Baker D.
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[Theoretical principles of disorders of sex differentiation and sexual development] László J.
Orv Hetil 114:1403-11, 17 Jun 73 (21 ref.) (Hun)

FAMILIAL & GENETIC

Sex chromosomal disorders. Baramki TA.
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Genetics of sperm development in Drosophila. Kiefer BI. Symp Soc Dev Biol 31:47-102, 1973 (65 ref.)

SEX DIFFERENTIATION DISORDERS

ETIOLOGY

[Theoretical principles of disorders of sex differentiation and sexual development] László J.
Orv Hetil 114:1403-11, 17 Jun 73 (21 ref.) (Hun)

SOMATOMEDIN

Sulphation factor. Grant DB.
Clin Endocrinol (Oxf) 1:387-98, Oct 72 (83 ref.)

SOMATOTROPIN

[Growth hormone and prolactin] Kikuya M.
Clin Endocrinol (Tokyo) 21:1089-95, Nov 73 (50 ref.) (Jap)

ANALYSIS

Studies on growth hormones. Paladini AC, et al.
Mol Cell Biochem 2:153-5, 15 Dec 73 (29 ref.)

SECRETION

[Paraneoplastic endocrine syndromes. 2] Turpin G.
Sem Hop Paris 49:2999-3007, 8 Nov 73 (102 ref.) (Fre)

SPIRONOLACTONE

THERAPEUTIC USE

The use of spironolactone in the diagnosis and the treatment of hypertension associated with mineralocorticoid excess. Beevers DG, et al.
Am Heart J 86:404-14, Sep 73 (114 ref.)

STEROIDS

Gonadotropin-steroid interrelationships. Wiele RL, et al. Pharmacol Rev 25:189-207, Jun 73 (120 ref.)

TESTICULAR NEOPLASMS

Testicular tumors in childhood. Review and report of three cases. Giebink GS, et al.
Am J Dis Child 127:433-8, Mar 74 (33 ref.)

TESTIS

METABOLISM

Selected topics on the biochemistry of spermatogenesis. Fritz IB.
Curr Top Cell Regul 7:129-74, 1973 (153 ref.)

TESTOSTERONE

BLOOD

[Androgens in hirsutism (review of the literature)] Sichinava NG.
Akush Ginekol (Mosk) 49:17-21, Oct 73 (Rus)

THIOCYANATES

CHEMICAL SYNTHESIS

[Synthesis of organic thiocyanates. No. 45. 1. Aliphatic thiocyanates] Knoke D, et al.
Pharmazie 28:574-84, Sep 73 (Ger)

THIOUREA

ADMINISTRATION & DOSAGE

[Use of Methallibur in swine production. A review] King GJ, et al.
Z Tierphysiol 32:223-9, Dec 73 (34 ref.) (Eng. Abstr.) (Ger)

THYROID DISEASES

Thyroid function and dysfunction during pregnancy. Selenkow HA, et al.
Clin Obstet Gynecol 16:66-108, Sep 73 (164 ref.)

THYROID GLAND

GROWTH & DEVELOPMENT

[Sources and regulation of thyroid gland growth] Aleshin BV.
Arkh Anat Gistol Embriol 64:5-18, Oct 73 (155 ref.) (Eng. Abstr.) (Rus)

METABOLISM

The response of the thyroid gland and thyroid hormone metabolism to infectious disease. Wartofsky L.
Horm Res 5:112-28, 1974 (54 ref.)

PHYSIOLOGY

Thyroid function and dysfunction during pregnancy. Selenkow HA, et al.
Clin Obstet Gynecol 16:66-108, Sep 73 (164 ref.)

SECRETION

Sympathetic regulation of thyroid hormone secretion. Melander A, et al. Life Sci 14:237-46, 16 Jan 74 (43 ref.)

THYROID HORMONES

METABOLISM

The response of the thyroid gland and thyroid hormone metabolism to infectious disease. Wartofsky L.
Horm Res 5:112-28, 1974 (54 ref.)

SECRETION

Sympathetic regulation of thyroid hormone secretion. Melander A, et al. Life Sci 14:237-46, 16 Jan 74 (43 ref.)

THERAPEUTIC USE

[Therapy using thyroid hormones] Horn K, et al.
Z Allgemeinmed 49:1722-6, 20 Dec 73 (8 ref.) (Ger)

THYROID NEOPLASMS

PATHOLOGY

Medullary carcinoma of the thyroid. Corwin TR.
Surg Gynecol Obstet 138:453-8, Mar 74 (28 ref.)

THYROTROPIN

[TSH] Miyai K.
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Placental protein hormones in pregnancy. Josimovich JB. Clin Obstet Gynecol 16:46-65, Sep 73 (114 ref.)

SECRETION

[Paraneoplastic endocrine syndromes. 2] Turpin G.
Sem Hop Paris 49:2999-3007, 8 Nov 73 (102 ref.) (Fre)

THYROTROPIN RELEASING HORMONE

Thyrotropin-releasing hormone. Pittman JA Jr.
Adv Intern Med 19:303-25, 1974 (82 ref.)

VASOPRESSIN

ANALYSIS

[Vasopressin and oxytocin] Yoshida H.
Clin Endocrinol (Tokyo) 21:1113-6, Nov 73 (4 ref.) (Jap)

BLOOD

Radioimmunoassay of posterior pituitary peptides: a review. Robinson AG, et al.
Metabolism 22:1047-57, Aug 73 (56 ref.)

METHOD SECTION

This section is meant to be an alerting device for articles which describe: 1) new methods or techniques, 2) modifications of existing methods or 3) comparisons of different methods. For methods on a particular substance or for a specific type of method, see the subject index or the subject section (particularly the subheadings: analysis, blood, cerebrospinal fluid, chemical synthesis, isolation and purification, and urine).

AUTOANALYSIS

Parathyroid hormone assay in primary hyperparathyroidism: experiences with a radioimmunoassay based on commercially available reagents. Kleerekoper M, et al.
Clin Chem 20:369-75, Mar 74
ADULT/ AGED/ AUTOANALYSIS/ AUTOPSY/ BONE AND BONES, pathology/ CALCIUM, blood/ CATHETERIZATION/ CATTLE, immunology/ CREATININE, blood/ EVALUATION STUDIES/ FEMALE/ GUINEA PIGS, immunology/ HUMAN/ HYPERPARATHYROIDISM, blood/ *HYPERPARATHYROIDISM, diagnosis/ HYPERPARATHYROIDISM, pathology/ IODINE RADIOISOTOPES/ MALE/ METHODS/ MIDDLE AGE/ ORGAN WEIGHT/ PARATHYROID GLANDS, pathology/ PARATHYROID GLANDS, surgery/ *PARATHYROID HORMONE, blood/ RADIOIMMUNOASSAY/ SPECTROMETRY, FLUORESCENCE

High-speed liquid chromatographic separation of equine estrogens. Butterfield AG, et al.
J Chromatogr Sci 11:401-5, Aug 73
ANIMAL EXPERIMENTS/ *AUTOANALYSIS/ CHEMISTRY/ *CHROMATOGRAPHY/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ ESTERS, analysis/ ESTRANES, analysis/ ESTROGENIC SUBSTANCES, CONJUGATED, analysis/ *ESTROGENS, analysis/ ESTRONE, analysis/ GLYCOLS/ HORSES/ HYDROXYSTEROIDS, analysis/ INDICATORS AND REAGENTS/ 17-KETOSTEROIDS, analysis/ METHODS/ NITRILES/ SILICONES/ SOLVENTS

INSTRUMENTATION

Semiautomated method for the analysis of methyltestosterone tablets and testosterone suspensions. Myrick JW, et al.
J Assoc Off Anal Chem 55:1175-9, Nov 72
AUTOANALYSIS, instrumentation/ CHEMISTRY/ CHLOROFORM/ COLORIMETRY/ HYDROGEN-ION CONCENTRATION/ ISONIAZID/ METHODS/ *METHYLTESTOSTERONE, analysis/ SUSPENSIONS, analysis/ TABLETS/ *TESTOSTERONE, analysis

BIOLOGICAL ASSAY

Some factors influencing TRH bioassay in mice. Virkkunen P. Acta Endocrinol (Kbh) 75:452-60, Mar 74
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ DIET/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ INJECTIONS, SUBCUTANEOUS/ *IODINE, pharmacodynamics/ IODINE RADIOISOTOPES/ METHODS/ MICE/ TEMPERATURE/ THYROTROPIN, blood/ THYROTROPIN, pharmacodynamics/ *THYROTROPIN RELEASING HORMONE, blood/ THYROTROPIN RELEASING HORMONE, pharmacodynamics/ TIME FACTORS/ TRIIODOTHYRONINE, administration & dosage/ *TRIIODOTHYRONINE, pharmacodynamics

Editorial: New assays for old. Br Med J 1:128-9, 26 Jan 74
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CORTICOTROPIN, analysis/ *HISTOCYTOCHEMISTRY/ *HORMONES, analysis/ HUMAN/ LONG-ACTING THYROID STIMULATOR, analysis/ METHODS/ *RADIOIMMUNOASSAY

Physical methods of measurement of prostaglandins. Kelly RW.
Clin Endocrinol Metabol 2:375-92, Nov 73 (26 ref.)
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CHROMATOGRAPHY/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ HUMAN/ METHODS/ *PROSTAGLANDINS, analysis/ PROSTAGLANDINS, isolation & purification/ RADIOIMMUNOASSAY/ RESINS/ REVIEW/ SOLVENTS/ SPECTRUM ANALYSIS, MASS

Development of a radioligand tissue receptor assay for human follicle-stimulating hormone. Reichert LE Jr, et al. Endocrinology 94:483-91, Feb 74
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ COMPARATIVE STUDY/ CORTICOTROPIN, pharmacodynamics/ FEMALE/ *FSH, analysis/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ IODINE RADIOISOTOPES/ LH, pharmacodynamics/ MALE/ METHODS/ PROLACTIN, pharmacodynamics/ RADIOLIGAND ASSAY/ RATS/ RECEPTORS, HORMONE/ SERUM ALBUMIN, pharmacodynamics/ SOMATOTROPIN, pharmacodynamics/ TESTIS/ THYROTROPIN, pharmacodynamics

Increased nerve-growth-stimulating activity in disseminated neurofibromatosis. Schenkein I, et al.
N Engl J Med 290:613-4, 14 Mar 74
AXONS, growth & development/ BIOLOGICAL ASSAY/ GANGLIA, growth & development/ HUMAN/ METHODS/ *NERVE GROWTH FACTOR, blood/ NERVE GROWTH FACTOR, physiology/ *NEUROFIBROMATOSIS, blood/ NEUROFIBROMATOSIS, physiopathology/ SUBMANDIBULAR GLAND/ TIME FACTORS/ TISSUE CULTURE

A micromethod for the measurement of human plasma renin activity. Jelínek J, et al.
Physiol Bohemoslov 22:213-23, 1973
ANGIOTENSIN, blood/ ANGIOTENSIN II, blood/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ FEEDBACK/ HUMAN/ HYDROGEN-ION CONCENTRATION/ MALE/ METHODS/ MICROMANIPULATION/ NEPHRECTOMY/ RATS/ *RENIN, blood/ SHEEP

BODY WEIGHT

Effect of positive pressure ventilation on plasma catecholamines. Takki S, et al.
Acta Anaesthesiol Scand 17:238-42, 1973
ACID-BASE EQUILIBRIUM/ ADULT/ AGE FACTORS/ BLOOD/ BLOOD PRESSURE/ BODY WEIGHT/ CARBON DIOXIDE, blood/

CENTRAL VENOUS PRESSURE/ *EPINEPHRINE, blood/ HEART RATE/ HUMAN/ HYDROGEN-ION CONCENTRATION/ METHODS/ MIDDLE AGE/ *NOREPINEPHRINE, blood/ OXYGEN, blood/ PARTIAL PRESSURE/ *POSITIVE-PRESSURE RESPIRATION/ SEX FACTORS/ SPECTROMETRY, FLUORESCENCE/ TIME FACTORS

Duration of action of epidural methyl prednisolone. A study in patients with the lumbosciatic syndrome. Burn JM, et al. **Am J Phys Med 53:29-34, Feb 74**
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ BODY WEIGHT/ DEPRESSION, CHEMICAL/ DURA MATER/ FEMALE/ HUMAN/ HYDROCORTISONE, blood/ INJECTIONS/ MALE/ METHODS/ *METHYLPREDNISOLONE, administration & dosage/ METHYLPREDNISOLONE, therapeutic use/ MIDDLE AGE/ *SCIATICA, drug therapy/ TIME FACTORS

A method for measurement of prolactin in the hamster by means of radioimmunoassay. Donofrio RJ, et al. **Neuroendocrinology 13:79-92, 1973-74**
ANALYSIS OF VARIANCE/ ANIMAL EXPERIMENTS/ BLINDNESS/ BODY WEIGHT/ COMPARATIVE STUDY/ EVALUATION STUDIES/ FEMALE/ HAMSTERS/ HYPOTHALAMUS, physiology/ IODINE RADIOISOTOPES/ LACTATION/ MALE/ METHODS/ ORGAN SPECIFICITY/ ORGAN WEIGHT/ PINEAL BODY, physiology/ PINEAL BODY, surgery/ PITUITARY GLAND, analysis/ PITUITARY GLAND, metabolism/ PITUITARY GLAND, POSTERIOR/ PREGNANCY/ *PROLACTIN, analysis/ PROLACTIN, blood/ RADIOIMMUNOASSAY/ STRESS/ TIME FACTORS

CENTRIFUGATION, DENSITY GRADIENT

Highly purified splenic nerve vesicles: early post-mortem effects on norepinephrine content and pools. Yen SS, et al. **J Neurocytol 2:1-12, Mar 73**
ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ CATTLE/ CENTRIFUGATION, DENSITY GRADIENT/ *CYTOPLASMIC GRANULES/ METHODS/ NOREPINEPHRINE, isolation & purification/ *NOREPINEPHRINE, metabolism/ *PERIPHERAL NERVES, metabolism/ *SPLEEN, innervation/ *SYMPATHETIC NERVOUS SYSTEM, metabolism

CHEMISTRY

Semiautomated method for the analysis of methyltestosterone tablets and testosterone suspensions. Myrick JW, et al.
J Assoc Off Anal Chem 55:1175-9, Nov 72
AUTOANALYSIS, instrumentation/ CHEMISTRY/ CHLOROFORM/ COLORIMETRY/ HYDROGEN-ION CONCENTRATION/ ISONIAZID/ METHODS/ *METHYLTESTOSTERONE, analysis/ SUSPENSIONS, analysis/ TABLETS/ *TESTOSTERONE, analysis

High-speed liquid chromatographic separation of equine estrogens. Butterfield AG, et al.
J Chromatogr Sci 11:401-5, Aug 73
ANIMAL EXPERIMENTS/ *AUTOANALYSIS/ CHEMISTRY/ *CHROMATOGRAPHY/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ ESTERS, analysis/ ESTRANES, analysis/ ESTROGENIC SUBSTANCES, CONJUGATED, analysis/ *ESTROGENS, analysis/ ESTRONE, analysis/ GLYCOLS/ HORSES/ HYDROXYSTEROIDS, analysis/ INDICATORS AND REAGENTS/ 17-KETOSTEROIDS, analysis/ METHODS/ NITRILES/ SILICONES/ SOLVENTS

Application of vapor phase chromatography to the quantitative determination of conjugated estrogens in drugs. Schroeder I, et al.
J Chromatogr Sci 10:183-6, Mar 72
ANIMAL EXPERIMENTS/ CHEMISTRY/ CHROMATOGRAPHY, GAS/ *ESTRANES, analysis/ *ESTROGENIC SUBSTANCES, CONJUGATED, analysis/ ESTROGENS, analysis/ *ESTRONE, analysis/ FEMALE/ HYDROXYSTEROIDS, analysis/ *17-KETOSTEROIDS, analysis/ METHODS/ PREGNANCY/ SULFURIC ACIDS, analysis

Determination of purity of levodopa and levodopa products by GLC. Watson JR.
J Pharm Sci 63:96-9, Jan 74
ACETAMIDES, analysis/ CAPSULES, analysis/ CHEMISTRY/ CHROMATOGRAPHY, GAS/ *DOPA, analysis/ DRUG STABILITY/ MATHEMATICS/ METHODS/ NITRILES, analysis/ TABLETS, analysis/ TEMPERATURE

CHROMATOGRAPHY

Urinary excretion of neutral steroid glucuronides with reference to the menstrual cycle. Viinikka L, et al.
Clin Chim Acta 49:277-85, 12 Dec 73
ADULT/ CHROMATOGRAPHY/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, ION EXCHANGE/ COMPARATIVE STUDY/ DEHYDROEPIANDROSTERONE, urine/ EVALUATION STUDIES/ FEMALE/ *GLUCURONATES, urine/ HUMAN/ *MENSTRUATION/ METHODS/ PROGESTERONE, urine/ SILICA/ SPECTRUM ANALYSIS, MASS/ *STEROIDS, urine/ SULFURIC ACIDS/ TIME FACTORS/ TRITIUM

Physical methods of measurement of prostaglandins. Kelly RW.
Clin Endocrinol Metabol 2:375-92, Nov 73 (26 ref.)
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CHROMATOGRAPHY/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ HUMAN/ METHODS/ *PROSTAGLANDINS, analysis/ PROSTAGLANDINS, isolation & purification/ RADIOIMMUNOASSAY/ RESINS/ REVIEW/ SOLVENTS/ SPECTRUM ANALYSIS, MASS

Report on drugs, steroids and terpinoids. Graham JH.
J Assoc Off Anal Chem 56:265-6, Mar 73
CHROMATOGRAPHY/ CONTRACEPTIVES, ORAL, analysis/ *ESTRADIOL, analysis/ *ESTROGENS, analysis/ *ETHINYL ESTRADIOL, analysis/ FLUOROMETRY/ METHODS/ SPECTROPHOTOMETRY, ULTRAVIOLET/ VALERATES, analysis

High-speed liquid chromatographic separation of equine estrogens. Butterfield AG, et al.
J Chromatogr Sci 11:401-5, Aug 73
ANIMAL EXPERIMENTS/ *AUTOANALYSIS/ CHEMISTRY/ *CHROMATOGRAPHY/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ ESTERS, analysis/ ESTRANES, analysis/ ESTROGENIC SUBSTANCES, CONJUGATED, analysis/ *ESTROGENS, analysis/ ESTRONE, analysis/ GLYCOLS/ HORSES/ HYDROXYSTEROIDS, analysis/ INDICATORS AND REAGENTS/ 17-KETOSTEROIDS, analysis/ METHODS/ NITRILES/ SILICONES/ SOLVENTS

Estimation of oestrone sulphate, oestradiol-17beta and oestrone in peripheral plasma: concentrations during the menstrual cycle and in men. Hawkins RA, et al.
J Endocrinol 60:3-17, Jan 74
BINDING, COMPETITIVE/ BODY TEMPERATURE/ CHROMATOGRAPHY/ CHROMATOGRAPHY, THIN LAYER/ *ESTRADIOL, blood/ ESTRADIOL, isolation & purification/ *ESTRONE, blood/ ESTRONE, isolation & purification/ FEMALE/ HUMAN/ HYDROLYSIS/ LH, urine/ MALE/ *MENSTRUATION/ METHODS/ OXIDATION-REDUCTION/ PROTEIN BINDING/ SEX FACTORS/ SULFATES, blood/ TRITIUM

[Quantitative determination of methandrostenolone in tissues and biological fluids stimulated by animal hormones] Adigamov LF, et al.
Vopr Pitan 32:61-6, Mar-Apr 73 (Eng. Abstr.) (Rus)
ALUMINUM/ CHROMATOGRAPHY/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FLUOROMETRY/ *METHANDROSTENOLONE, analysis/ METHANDROSTENOLONE, isolation & purification/ METHODS/ OXIDES/ SPECTROPHOTOMETRY/ SPECTROPHOTOMETRY, ULTRAVIOLET/ *TESTOSTERONE, analysis/ TESTOSTERONE, isolation & purification

CHROMATOGRAPHY, GAS

Rapid gas chromatographic assay for progesterone metabolites in urine. Metcalf MG.
Clin Biochem 6:307-20, Dec 73
ADOLESCENCE/ ADULT/ AMENORRHEA, urine/ CHROMATOGRAPHY, GAS/ DEXAMETHASONE, pharmacodynamics/ EVALUATION STUDIES/ FEMALE/ HUMAN/ HYDROXYSTEROIDS, urine/ HYPOPITUITARISM, urine/ KETOSTEROIDS, urine/ MALE/ MENSTRUATION/ METHODS/ MIDDLE AGE/ OVULATION/ PREGNANCY/ *PREGNANEDIOL, urine/ *PREGNANES, urine/ PREGNANETRIOL, urine/ *PROGESTERONE, metabolism/ TIME FACTORS/ TWINS

Urinary excretion of neutral steroid glucuronides with reference to the menstrual cycle. Vilnikka L, et al.
Clin Chim Acta 49:277-85, 12 Dec 73
ADULT/ CHROMATOGRAPHY/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, ION EXCHANGE/ COMPARATIVE STUDY/ DEHYDROEPIANDROSTERONE, urine/ EVALUATION STUDIES/ FEMALE/ *GLUCURONATES, urine/ HUMAN/ *MENSTRUATION/ METHODS/ PROGESTERONE, urine/ SILICA/ SPECTRUM ANALYSIS, MASS/ *STEROIDS, urine/ SULFURIC ACIDS/ TIME FACTORS/ TRITIUM

Physical methods of measurement of prostaglandins. Kelly RW.
Clin Endocrinol Metabol 2:375-92, Nov 73 (26 ref.)
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CHROMATOGRAPHY/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ HUMAN/ METHODS/ *PROSTAGLANDINS, analysis/ PROSTAGLANDINS, isolation & purification/ RADIOIMMUNOASSAY/ RESINS/ REVIEW/ SOLVENTS/ SPECTRUM ANALYSIS, MASS

Electron capture determination of melengestrol acetate in bovine tissue. Krzeminski LF, et al.
J Assoc Off Anal Chem 56:74-6, Jan 73
ADIPOSE TISSUE, analysis/ ANIMAL EXPERIMENTS/ BONE MARROW CELLS, analysis/ CATTLE/ CHROMATOGRAPHY, GAS/ KIDNEY, analysis/ LIVER, analysis/ *MEAT, analysis/ MELENGESTROL, analysis/ METHODS/ MUSCLES, analysis/ *PREGNADIENES, analysis/ *PROGESTATIONAL HORMONES, analysis/ SOLVENTS/ TISSUE EXTRACTS, analysis

Analysis of 5alpha-androstanediol monoacetates by thin-layer and gas-liquid chromatography and mass spectrometry. Berthou FL, et al.
J Chromatogr 88:271-9, 30 Jan 74
ACETATES, analysis/ *ANDROSTANES, analysis/ ANDROSTANES, chem synthesis/ CARBON RADIOISOTOPES/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ ISOMERISM/ METHODS/ SPECTRUM ANALYSIS, MASS

High-speed liquid chromatographic separation of equine estrogens. Butterfield AG, et al.
J Chromatogr Sci 11:401-5, Aug 73
ANIMAL EXPERIMENTS/ *AUTOANALYSIS/ CHEMISTRY/ *CHROMATOGRAPHY/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ ESTERS, analysis/ ESTRANES, analysis/ ESTROGENIC SUBSTANCES, CONJUGATED, analysis/ *ESTROGENS, analysis/ ESTRONE, analysis/ GLYCOLS/ HORSES/ HYDROXYSTEROIDS, analysis/ INDICATORS AND REAGENTS/ 17-KETOSTEROIDS, analysis/ METHODS/ NITRILES/ SILICONES/ SOLVENTS

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EXPLANATION OF FORMAT

The period covered by this issue of the bibliography corresponds to the same months of *Index Medicus*. The journal coverage is limited to journals covered by *Index Medicus*, but the *Endocrinology Index* contains additional subject headings that are not included in *Index Medicus*. The *Endocrinology Index* is arranged in seven sections: 1) Table of Contents; 2) Subject Section; 3) Review Section; 4) Method Section; 5) Author Section; 6) Subject Index; and 7) Author Index.

Subject Section

The Subject Section is for the reader interested in recent literature related to certain broad topics and is divided into eight categories (pituitary, thyroid, etc.). The endocrine pancreas has not been included since it is the subject of another recurring bibliography, *Diabetes Literature Index*. Each category has a preconceived hierarchical organization of subject headings. A particular citation may appear more than once if it deals with multiple topics. Each citation to an article contains the full title, first author, and journal reference. If the article is written in a foreign language, the language is indicated. If the citation is to a review article, the number of references is given.

Author Section

The Author Section provides the reader with a list of keywords or index terms assigned to each citation. Each article appears only once. The citations are arranged alphabetically according to first author and are numbered consecutively. These numbers are th in the Author and Subject Indexes to enable th to identify references with ease. The complete (including index terms) are found but only three authors are listed. Foreign titles appea original language; these titles have been tr into English in the Subject Section. Followig citation are index terms which have been ass describe the contents of the article. Index terma in capital letters; some of these are accomp subheadings which appear in lower case letters A isks (*) identify the index terms under whichar appear in *Index Medicus*.

Subject Index

All of the index terms assigned to the citations ing in the bibliography are listed, followed by it numbers which correspond to the numbers in th Au Section. The Subject Index is included for e venience of the reader who wishes to select ar falling in categories of his own conception. 'or ample, one who is interested in protein bindig particular hormone could quickly find wheth t were any articles dealing with this subject by d ing if there were any citation numbers commc to two headings "protein binding" and the nam of specific hormone.

Author Index

The names of all authors are listed, followed by ita numbers which correspond to the numbers in th Au Section.

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ENDOCRINOLOGY INDEX

National Institute of Arthritis, Metabolism, and Digestive Diseases

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PREFACE

The *Endocrinology Index* is a bimonthly publication of the National Institute of Arthritis, Metabolism, and Digestive Diseases. This selected bibliography which is produced from the National Library of Medicine's Medical Literature Analysis and Retrieval System (MEDLARS), has been initiated to supply those scientists working in the field of endocrinology with a much needed current awareness tool and is intended to help facilitate greater integration of research and clinical efforts in this field.

Endocrinology Index was developed with the support of contract PH43-66-480 in 1966-70 to Vanderbilt University under the direction of Grant W. Liddle. The National Institute of Arthritis, Metabolism, and Digestive Diseases is most appreciative of the fine work in originally developing and editing the *Index* provided by Grant W. Liddle and Victoria Ragin Liddle and for their continuing editorial advice in making the *Endocrinology Index* a most important and necessary component of endocrinology literature within the biomedical research community.

The Secretary of the Department of Health, Education, and Welfare has determined that the publication of this periodical is necessary in the transaction of the public business required by law of this Department. Use of funds for printing this periodical has been approved by the Director of the Office of Management and Budget through April 30, 1975.

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ADENOMA, CHROMOPHOBE

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III. Thyroid Hormones, Precursors, Metabolites and Synthetic Analogs

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PHARMACODYNAMICS

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II. Disorders of the Adrenal Glands

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ETIOCHOLANOLONE

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Controlled parturition in cattle. Wagner WC, et al.
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V. Adrenal Medulla

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II. Disorders of the Gonads

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Acne in premature ovarian failure. Reestablishment of cyclic flare-ups with medroxyprogesterone acetate therapy. Pochi PE. Arch Dermatol 109:556-7, Apr 74
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III. Gonadal Hormones, Precursors, Metabolites and Synthetic Analogs

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PARATHYROID AND BONE

I. Physical and Functional Aspects

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Course of the increase in hydroxyindole-O-methyltransferase activity in the pineal gland of the chick embryo and young chick. Wainwright SD. J Neurochem 22:193-6, Jan 74

INNERVATION

Superinduction of serotonin N-acetyltransferase and supersensitivity of adenyl cyclase to catecholamines in denervated pineal gland. Deguchi T, et al. Mol Pharmacol 9:612-8, Sep 73

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Circadian rhythm of histamine in the pineal gland. Garbarg M, et al. Life Sci 14:539-43, 1 Feb 74

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PATHOLOGY

Proceedings: Hypothalamic syndrome caused by 'pinealoma' occupying the third ventricle. Cox JN. Arch Dis Child 49:75-6, Jan 74

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II. Disorders of the Amygdaloid Body

PINEALOMA

CEREBROSPINAL FLUID

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Letter: Meningeal syndrome in brain tumors. Arnstein EJ, et al. **J Pediatr 84:923-4, Jun 74**

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Radical surgery of tumors of the thalamus, hypothalamus, and third ventricle area. Greenwood J Jr. **Surg Neurol 1:29-33, Jan 73**

III. *Neuroendocrine System Hormones, Precursors, Metabolites and Synthetic Analogs*

CORTICOTROPIN RELEASING HORMONE

PHARMACODYNAMICS

Proceedings: Release of adrenocorticotrophin from the isolated pituitary gland of the rat: studies with theophylline. Sadow J. **J Endocrinol 59:xxx, Nov 73**

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LH-FSH RELEASING HORMONE

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ADMINISTRATION & DOSAGE

Letter: Follicle-stimulating activity of the anterior pituitary during human pregnancy. Nakano R. **Am J Obstet Gynecol 118:1151-2, 15 Apr 74**

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Oral contraception can decrease the pituitary capacity to release gonadotrophins in response to synthetic LH-releasing-hormone. Robyn C, et al. **Arch Gynaekol 216:73-80, 4 Jan 74**

Effect of electrical stimulation of the preoptic area on luteinizing hormone releasing factor in pituitary stalk blood. Fink G, et al. **J Physiol (Lond) 237:37P-38P, Mar 74**

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Gonadotropin response to a synthetic gonadotropin-releasing hormone in women suffering from hypothalamo-pituito-gonadal pathology. De Cecco L, et al. **Acta Eur Fertil 4:59-73, Jun 73**

METABOLISM

Rat anterior pituitary adenyl cyclase activity. GTP requirement of prostaglandin E1 and E2 and synthetic luteinising hormone-releasing hormone activation. Deery DJ, et al. **Biochim Biophys Acta 329:17-22, 2 Nov 73**

PHARMACODYNAMICS

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This issue of the official journal of the Italian Society of Neurosurger is the first of a new edition which will be printed entirely and exclusively in the English language and which is the continuation of Minerva Neurochirurgica.

BIOGENIC AMINES AND TRANSMITTERS IN THE NERVOUS SYSTEM

(1) Books and Reviews

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Hormones and Brain Function. New York, Plenum Press, 1973. pp. 1-529 Proceedings of the Second Congress of the International Society of Psychoneuroendocrinology held in Budapest (Hungary) from July 1 - 3, 197.

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(6) Effects on Physiological Processes

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CORPUS LUTEUM

DRUG EFFECTS

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ESTRADIOL

BLOOD

Long-term therapy with low-dose cisclomiphene in male infertility: effects on semen, serum FSH, LH, testosterone ond estradiol, and carbohydrate tolerance. Reyes FI, et al.
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FSH

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GOITER, EXOPHTHALMIC

IMMUNOLOGY

Immunologic features of thyroid diseases. Beall GN, et al. **Postgrad Med 54:181-9, Nov 73 (22 ref.)**

GONADOTROPINS

ADVERSE EFFECTS

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[Aspects of the differential diagnosis of disturbances in the hypothalamus-pituitary-gonad axis with special regard to the diagnostic and therapeutic use of gonadotropin releasing hormone (author's transl)] Lunenfeld B, et al.
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[Hypercalcemia, hypercalciuria and nephropathies] Lebedev VP, et al.
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Choosing thyroidectomy in hyperthyroidism. Barnes HV, et al.
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[Functional morphology of the eminentia medialis in higher vertebrates] Novikov BG, et al.
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[Hypothalamic releasing and inhibiting hormones] Vanha-Perttula T.
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BLOOD

Long-term therapy with low-dose cisclomiphene in male infertility: effects on semen, serum FSH, LH, testosterone ond estradiol, and carbohydrate tolerance. Reyes FI, et al.
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OVULATION

DRUG EFFECTS

[Luteolytic agents and reproduction] Cortés-Gallegos V. Gac Med Mex 106:259-86, Oct 73 (80 ref.) (Spa)

PARATHYROID GLANDS

PATHOLOGY

Reappraisal of parathyroid pathology in hyperparathyroidism. Esselstyn CB Jr, et al.
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RADIATION EFFECTS

Radioactive iodine therapy for thyrotoxicosis. Greig WR. Br J Surg 60:758-65, Oct 73 (58 ref.)

PHEOCHROMOCYTOMA

BLOOD

Pitfalls in the technique and interpretation of regional venous sampling for localizing pheochromocytoma. Harrison TS, et al.
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PITUITARY-ADRENAL SYSTEM

[Functional morphology of the eminentia medialis in higher vertebrates] Novikov BG, et al.
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PITUITARY GLAND

[Aspects of the differential diagnosis of disturbances in the hypothalamus-pituitary-gonad axis with special regard to the diagnostic and therapeutic use of gonadotropin releasing hormone (author's transl)] Lunenfeld B, et al.
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The mammalian pars intermedia: a review of its structure and function. Howe A.
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[Hypothalamic releasing and inhibiting hormones] Vanha-Perttula T.
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The neuroendocrinology of human sleep. Rubin RT, et al. Life Sci 14:1041-52, 16 Mar 74 (67 ref.)

PITUITARY GLAND FUNCTION TESTS

Laboratory aids in the diagnosis of pituitary tumors. Kolodny HD, et al.
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CYTOLOGY

[About the rhodiochromy (a review) (author's transl)] Feyrter F.
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DIAGNOSIS

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Current chemotherapeutic combinations. DeVita VT, et al. Ser Haematol 6:182-95, 1973 (45 ref.)

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Metabolism of synthetic steroids by animals and man. Fotherby K.
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PROGESTERONE

ADVERSE EFFECTS

[Neurological side effects of oral contraceptives] Tuovinen T.
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Hormonal therapy of gynecologic malignancy. Stoll BA.
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PSEUDOHERMAPHRODITISM

CHEMICALLY INDUCED

Exogenous hormones in pregnancy. Herbst AL.
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ANTAGONISTS & INHIBITORS

Agents which block the action of the renin-angiotensin system. Davis JO, et al.
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SEX CHROMOSOMES

ANALYSIS

[Sex-determination on skeletonparts. Proof of so-called F-bodies (author's transl)] Berghaus G, et al.
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[Sex-determination on skeletonparts. Proof of so-called F-bodies (author's transl)] Berghaus G, et al.
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BIOSYNTHESIS

[Determination of the speed of production of steroid sex hormones] Jong FH de.
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The somatomedins. A new class of growth-regulating hormones? Van Wyk JJ, et al.
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Isolated growth hormone deficiency and related disorders. Merimee TJ.
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ADMINISTRATION & DOSAGE

Biopharmaceutical aspects of the design of steroidal dosage forms. Short MP, et al.
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TESTIS

SECRETION

Secretions of the testis and epididymis. Setchell BP.
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Long-term therapy with low-dose cisclomiphene in male infertility: effects on semen, serum FSH, LH, testosterone ond estradiol, and carbohydrate tolerance. Reyes FI, et al.
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[Organic synthesis of thiocyanate compounds. No. 46, Part 2. Aliphatic thiocyanate compounds] Knoke D, et al. Pharmazie 28:617-32, Oct 73 (365 ref.) (Ger)

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Sickle cell anemia and dietary precursors of cyanate. Houston RG. Am J Clin Nutr 26:1261-4, Nov 73 (47 ref.)

THYROID DISEASES

PHYSIOPATHOLOGY

[Thyroid gland and the liver] Mosin VI.
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THERAPY

Thyroid disease: medical or surgical management? Smith DL.
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THYROID GLAND

PHYSIOPATHOLOGY

[Thyroid gland and the liver] Mosin VI.
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THYROID GLAND FUNCTION TESTS

Which test of thyroid function? Havard CW.
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PHYSIOLOGY

[Thyroid hormone] Suzuki M.
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THYROID NEOPLASMS

COMPLICATIONS

The paraneoplastic syndromes associated with carcinoma of the thyroid gland. Melvin KE.
Ann NY Acad Sci 230:378-90, 1974 (55 ref.)

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Medullary carcinoma of the thyroid gland: use of biochemical parameters in detection and surgical management of the tumor. Baylin SB.
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Current therapy of thyroid nodules. Wright HK, et al.
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Choosing thyroidectomy in hyperthyroidism. Barnes HV, et al.
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THYROIDITIS, LYMPHOMATOUS

IMMUNOLOGY

Immunologic features of thyroid diseases. Beall GN, et al. **Postgrad Med 54:181-9, Nov 73 (22 ref.)**

TRIIODOTHYRONINE

BLOOD

Serum triiodothyronine in man. Utiger RD.
Annu Rev Med 25:289-302, 1974 (69 ref.)

TROPHOBLASTIC TUMOR

Gestational trophoblastic neoplasia. Baggish MS.
Clin Obstet Gynecol 17:259-85, Mar 74 (43 ref.)

RADIOGRAPHY

Angiography of selected pathologic pregnancies. Altemus R.
Radiol Clin North Am 12:59-77, Apr 74 (45 ref.)

TURNER'S SYNDROME

COMPLICATIONS

[Secondary amenorrhea in gonadal dysgenesis (a review of the literature)] Markarova OS.
Akush Ginekol (Mosk) 49:41-5, May 73 (Rus)

VASOPRESSIN

PHYSIOLOGY

Vasopressin in osmotic regulation in man. Robertson GL. **Annu Rev Med 25:315-22, 1974 (26 ref.)**

VITAMIN D

METABOLISM

Vitamin D metabolism. Holick MF, et al.
Annu Rev Med 25:349-67, 1974 (138 ref.)
[Active metabolites of vitamin D] Michalska L, et al.
Pol Tyg Lek 28:1372-4, 27 Sep 73 (27 ref.) (Pol)

METHOD SECTION

This section is meant to be an alerting device for articles which describe: 1) new methods or techniques, 2) modifications of existing methods or 3) comparisons of different methods. For methods on a particular substance or for a specific type of method, see the subject index or the subject section (particularly the sub-headings: analysis, blood, cerebrospinal fluid, chemical synthesis, isolation and purification, and urine).

AUTOANALYSIS

3-O-methyl metabolites of catecholamines: automated fluorometric assay and their plasma levels in patients receiving levodopa and carbidopa. Prasad AL, et al. Biochem Med 9:136-47, Feb 74
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Analysis of urinary catecholamines: an improved auto-analyzer fluorescence method. Andersson B, et al. Clin Chim Acta 51:13-28, 28 Feb 74
AUTOANALYSIS/ COMPARATIVE STUDY/ DOPA, urine/ DRUG STABILITY/ *EPINEPHRINE, urine/ EVALUATION STUDIES/ HUMAN/ HYDROGEN-ION CONCENTRATION/ INDICATORS AND REAGENTS/ INDOLES/ MATHEMATICS/ METHODS/ METHYLDOPA, urine/ MICROCHEMISTRY/ *NOREPINEPHRINE, urine/ SPECTROMETRY, FLUORESCENCE/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TIME FACTORS

A simultaneous determination of pregnanetriol and pregnanediol by gas--liquid chromatography. Rahman M. Clin Chim Acta 51:233-40, 26 Mar 74
AUTOANALYSIS/ CHROMATOGRAPHY/ CHROMATOGRAPHY, GAS/ COMPARATIVE STUDY/ EVALUATION STUDIES/ FEMALE/ HUMAN/ MATHEMATICS/ METHODS/ PREGNANCY/ *PREGNANEDIOL, urine/ *PREGNANETRIOL, urine/ TIME FACTORS

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Quantitative distribution of bound iodine in the rat thyroid follicle. 3. Validity of the correlation found between iodine concentration and diameter of the luminal colloid. Simon C, et al. J Physiol (Paris) 66:33-43, Sep 73
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ *IODINE, analysis/ IODINE ISOTOPES, DIAGNOSTIC/ METHODS/ PROTEIN-BOUND IODINE TEST/ RATS/ STATISTICS/ THYROID GLAND, metabolism/ *THYROID GLAND, physiology

BIOLOGICAL ASSAY

Renin activity by radioimmunoassay: the plasma incubation step. Osmond DH, et al. Clin Biochem 7:52-63, Mar 74
ANGIOTENSIN, metabolism/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ BUFFERS/ COMPARATIVE STUDY/ EVALUATION STUDIES/ HUMAN/ HYDROGEN-ION CONCENTRATION/ IODINE RADIOISOTOPES/ KINETICS/ MALE/ MALEATES/ METHODS/ OSMOLAR CONCENTRATION/ PHOSPHATES/ PLASMA/ RADIOIMMUNOASSAY/ RATS/ *RENIN, blood/ TIME FACTORS/ TROMETHAMINE

A radioimmunoassay for the direct measurement of renin in mice and its application to submaxillary gland and kidney studies. Michelakis AM, et al. Endocrinology 25:1101-5, Apr 74
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A simple free fat cell bioassay for insulin. Moody AJ, et al. Horm Metab Res 6:12-6, Jan 74
ADIPOSE TISSUE, drug effects/ *ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CARBON RADIOISOTOPES/ COMPARATIVE STUDY/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EPIDIDYMIS/ EVALUATION STUDIES/ *GLUCOSE, metabolism/ HUMAN/ IN VITRO/ *INSULIN, analysis/ INSULIN, pharmacodynamics/ LIPIDS, biosynthesis/ MALE/ METHODS/ RATS/ SWINE/ TIME FACTORS/ TRITIUM

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[Extraction of adrenaline as trihydroxyindole for the fluorimetric determination without interference by noradrenaline] Schwedt G. **Clin Chim Acta 51:247-56, 26 Mar 74 (Eng. Abstr.) (Ger)**
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DENSITOMETRY

A new urinary assay for separate normetanephrine and metanephrine with application for the diagnosis of phaeochromocytoma. Wolf RL, et al. **Clin Sci Mol Med 45:Suppl 1:263s+, Aug 73**
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DIALYSIS

Evaluation of three constants involved in the binding of corticosterone to plasma proteins in the rat. Jobin M, et al. **Can J Biochem 52:101-5, Feb 74**
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ELECTROPHORESIS, PAPER

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Estimation of free thyroxine index in the newborn using micro-methods. Rogowski P, et al. **Acta Paediatr Scand 63:201-4, Mar 74**
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Evaluation of three constants involved in the binding of corticosterone to plasma proteins in the rat. Jobin M, et al. **Can J Biochem 52:101-5, Feb 74**
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An improved assay for plasma oestradiol using competitive protein binding. Pratt JJ, et al.
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[Extraction of adrenaline as trihydroxyindole for the fluorimetric determination without interference by noradrenaline] Schwedt G.
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Effects of season, pregnancy and lactation on thyroxine turnover in the mare. Katovich M, et al.
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Plasma aldosterone, cortisol and corticosterone concentrations in the new-born guinea-pig.

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